

~~1110~~ The Horticulture and Food Research Institute of New Zealand Limited

<212> PRT

<213> Perna canaliculus

<400> 4

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1 5

<210> 5

<211> 7

<212> PRT

<213> Perna canaliculus

<400> 5

Val Val Asn Glu Val His His
1 5

<210> 6

<211> 1491

<212> DNA

<213> Perna canaliculus

<400> 6

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gaaccaaacc ctcatatggc tagcagcctt caccaccatg tccatggcag catagagtgtg 180
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gacctcgggtg acctggttga cgatgatagg ggcgtgggta atgaagttca tcattatgct 420
tggttggaac ttgatggtac agcaccaaacc accgaagctc tcattggaca ctcaatgact 480
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attggtcatg gaaaagctcg ccagaaaaca gcagctgctc tacatcacga gctagaggaa 600
gataaaactg agcattatgc ccattgtgac gtaagatcta atacacacca accaaaggct 660
cttcatcatc atgtccacgg aaccatcgat ttcaaacaag ttggttatgg tgaccttgaa 720
gtgtcctacc atttagaggg atttaatgta agtgatgacc acaaagatca tctccatgac 780
gtacagatct acgccaacgg tgacctgacc agtggatgtg ataacctcgg tgctaaatat 840
gacctcatg aagattacca cagtgagttg ggtgatctag gagatattca cgatgatgac 900
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gcctgttggtg tcataggacg tggacagagc catccagaaa ttgttcacag agctaaatgt 1080
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<210> 7
<211> 497
<212> PRT
<213> Perna canaliculus

<400> 7

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Met	His	Tyr	Ala	Gln	Cys	Glu	Met	Glu	Pro	Asn	Pro	His	Met	Ala	Ser	35	40	45	
Ser	Leu	His	His	His	Val	His	Gly	Ser	Ile	Glu	Leu	Ser	Gln	Lys	Gly	50	55	60	
His	Gly	Ala	Val	Tyr	Leu	Glu	Leu	His	Leu	Val	Gly	Phe	Asn	Thr	Ser	65	70	75	80
Glu	Asp	His	Asp	Asp	His	His	His	Gly	Leu	His	Leu	His	Met	Leu	Gly	85	90	95	
Asp	Met	Ser	Ala	Gly	Cys	Asp	Ser	Ile	Gly	Glu	Leu	Tyr	Asn	Ala	His	100	105	110	
Pro	Glu	Lys	His	Ala	Asp	Pro	Gly	Asp	Leu	Gly	Asp	Leu	Val	Asp	Asp	115	120	125	
Asp	Arg	Gly	Val	Val	Asn	Glu	Val	His	His	Tyr	Ala	Trp	Leu	Asp	Ile	130	135	140	
Asp	Gly	Thr	Ala	Pro	Asn	Thr	Glu	Ala	Leu	Ile	Gly	His	Ser	Met	Thr	145	150	155	160
Ile	Leu	Gln	Gly	Ser	His	Thr	Asp	Ala	Asp	Thr	Pro	Ala	Ser	Arg	Ile	165	170	175	

Ala Cys Cys Val Ile Gly His Gly Lys Ala Arg Pro Glu Thr Ala Ala
180 185 190

Ala Leu His His Glu Leu Glu Glu Asp Lys Thr Glu His Tyr Ala His
195 200 205

Cys Asp Val Arg Ser Asn Thr His Gln Pro Lys Ala Leu His His His
210 215 220

Val His Gly Thr Ile Asp Phe Lys Gln Val Gly Tyr Gly Asp Leu Glu
225 230 235 240

Val Ser Tyr His Leu Glu Gly Phe Asn Val Ser Asp Asp His Lys Asp
245 250 255

His Leu His Asp Val Gln Ile Tyr Ala Asn Gly Asp Leu Thr Ser Gly
260 265 270

Cys Asp Asn Leu Gly Ala Lys Tyr Asp Pro His Glu Asp Tyr His Ser
275 280 285

Glu Leu Gly Asp Leu Gly Asp Ile His Asp Asp Asp His Gly Val Val
290 295 300

Asn Glu Ser His Arg Tyr Ser Trp Ile Asn Ile Phe Gly Asp Asp Ser
305 310 315 320

Val Leu Gly Arg Ser Ile Ala Ile His Gln Arg Asp His Leu His Lys
325 330 335

Ser Ala Lys Ile Ala Cys Cys Val Ile Gly Arg Gly Gln Ser His Pro
340 345 350

Glu Ile Val His Arg Ala Lys Cys Val Val Arg Pro Asn Thr Glu Ser
355 360 365

Thr Gly Leu His His His Val Ser Gly Ser Ile Thr Phe Glu Gln Thr
370 375 380

Pro Gly Gly Ser Thr His Met Thr Ala Asp Leu Lys Gly Phe Asn Val
385 390 395 400

Ser Glu Asp Leu Ser His His Arg His Gly Val Gln Leu His Glu Trp
405 410 415

Gly Asp Met Ser His Gly Cys His Ser Leu Gly Arg Met Tyr His Gly
420 425 430

His Asp Asp Ala His Asp Pro Lys Arg Pro Gly Asp Leu Gly Asp Val
435 440 445

Ile Asp Asp Ser His Gly Ile Val His Ser Thr Arg Thr Phe Asp His
450 455 460

Leu Asn Val Glu Asp Leu Asn Ala Arg Ser Leu Val Ile Met Gln Gly
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Gly His Glu Val Glu Ser Glu Arg Val Ala Cys Cys Val Ile Gly Arg
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<210> 8
<211> 1611
<212> DNA
<213> Perna canaliculus
<220>
<221> misc_feature
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<223> 'n' can be any one of the nucleotides 'a', 'c', 'g' or 't';

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gaaccaaacc ctcatatggc tagcagcctt caccaccatg tccatggcag catagagttg 180
tcacagaagg gtcattggagc tggtttatcta gaacttcac ttgtcggatt caacacaagt 240
gaagaccatg acgaccacca tcatggactt catctgcaca tgcttggtga catgtcagca 300
ggttgtgatt ctattggcga actgtacaat gctcaccag aaaaacatgc tgaccctggt 360
gacctcggtg acctggttga cgatgatagg ggcgtgggta atgaagttca tcattatgct 420
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attggtcatg gaaaagctcg ccagaaaaca gcagctgctc tacatcacga gctagaggaa 600
gataaaactg agcattatgc ccattgtgac gtaagatcta atacacacca accaaaggct 660
cttcatcacc atgtccacgg aaccatcgat ttcaaacaag ttggttatgg tgaccttgaa 720
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agtgaggact tgtcacatca tcgtcatggt gtgcagctcc atgaatgggg agatatgtcc 1260
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 aaacaatgac acaatgnaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 1611

<210> 9
 <211> 8
 <212> PRT
 <213> terrestrial leech

<400> 9

Gly Gln Ser Cys Asn Asp Gly Gln
 1 5

<210> 10
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> primer

<220>
 <221> misc_feature
 <222> (1)..(29)
 <223> 'n' can be any one of the nucleotides 'a', 'c', 'g' or 't';
 'y' is a pyrimidine nucleotide and 'r' is a purine nucleotide;

<400> 10
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Sequenced #2